



I-5/I-90 Seismic Retrofit

2009: Plan ahead – www.wsdot.wa.gov/construction/2009



Up to 250 closures coming to I-90/I-5 interchange

Crews will strengthen the columns, girders and crossbeams of the double-decked I-90/I-5 overpass in downtown Seattle, and the nearby 12th Avenue S bridge. These upgrades will help the structures withstand earthquakes. Nightly closures will reduce lanes and close exit ramps on I-90 and I-5 near Fourth Avenue S.



Calendar information is an estimate based on the best information available and could change. The entire project is scheduled to be completed by June 2010.

I-90 bridge retrofit

MARCH 2009 – JUNE 2010

MARCH 2009						
Su	M	T	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



JUNE 2010						
Su	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Night closures

Drivers can expect up to 250 nighttime lane or ramp closures near the I-90/I-5 interchange, including westbound I-90 lanes to Fourth Avenue S, eastbound I-90 to northbound I-5 ramp, and single lane closures on I-5 and eastbound I-90.

During the closures, drivers will see:

Detours diverting I-90 traffic around the construction closures. Westbound I-90 traffic will be detoured to Fourth Avenue S. Eastbound I-90 traffic will be detoured to northbound I-5. Drivers should allow extra travel time for the detours.

12th Avenue S bridge retrofit

MAY 2009 – MAY 2010

MAY 2009						
Su	M	T	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
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24	25	26	27	28	29	30
31						



MAY 2010						
Su	M	T	W	Th	F	S
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Night and Weekend closures

Drivers can expect three weeks of nightly lane closures on eastbound I-90 and two weekend closures of the westbound I-90 to northbound I-5 ramp while crews strengthen the 12th Avenue S bridge columns.

During the closures, drivers will see:

Detours diverting traffic from westbound I-90 to northbound I-5. Drivers should allow extra travel time for the detour.

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www.wsdot.wa.gov/Projects/I90/I5to12thSeismic/



Looking west at the westbound lanes on the double decked I-90 structure. Crews will reinforce the columns of the bridge.



Crews will also reinforce the columns on the 12th Avenue S. bridge.

Why are the closures necessary?

The top deck of the I-90 bridge over I-5 carries eastbound traffic. The lower deck carries westbound traffic. Crews will work from below to strengthen the supports of each bridge deck. This means crews must close the westbound I-90 lanes that exit to Fourth Avenue S when crews are working on the eastbound supports. Crews will close lanes on I-5 and nearby exit ramps while working on the westbound supports.

Although 12th Avenue S is a city of Seattle street, WSDOT is responsible for upgrades to the portion of the bridge that crosses over I-90 because the bridge was extended to make room for the I-90 completion project. Closures are necessary to access the columns and supports below the bridge.

Both bridges are scheduled to be completed by June 2010.

How will drivers benefit?

Seismic retrofits help protect drivers, buses and pedestrians on or below bridges during earthquakes. Strengthening the columns, girders and crossbeams will help prevent bridge failure during an earthquake. Once retrofitted, the bridges will be able to withstand greater seismic stress caused by earthquakes.

What is WSDOT doing?

- Completing most of the work at night and on limited weekends.
- Strictly controlling the work schedule so the contractor works quickly and efficiently.
- Working closely with local media to deliver up-to-the-minute traffic information.
- Opening westbound I-90 and the Fourth Avenue S ramp for two hours prior to major events.
- Reopening all other lane and ramp closures for two hours prior to and after major events.

What other work is WSDOT doing?

These improvements are part of WSDOT's Seismic Retrofit program to strengthen more than 900 bridges and structures across the state. We are wrapping the bridge columns in steel jackets to make them better withstand an earthquake. www.wsdot.wa.gov/Bridge/Reporting/SeismicRetrofitProgram.htm.

What other closures or events should I know about?

- March 15:** St. Patrick's Day Dash closes I-5 express lanes
- May:** I-90 Floating Bridge repair
- May 9:** Niketown 5K closes I-5 express lanes
- June:** Multiple college and high school graduations in downtown Seattle
- July:** Multiple weekend Ship Canal Bridge closures on I-5 mainline
I-90 Floating Bridge repair

Will there be noise?

This work is unavoidably noisy and will be most disruptive at night. People who live near I-90 may hear jackhammers, trucks and other construction equipment as crews work to strengthen the columns supporting the I-90 double-decked bridge that crosses over I-5 in downtown Seattle, and the nearby 12th Avenue S bridge.

Crews must work at night to shorten the construction schedule and keep traffic moving during the day when it is heaviest.

How will we reduce the effect of noise on I-90 and I-5 neighbors?

Crews will take a number of steps to minimize nighttime noise. These include using noise shields, restricting backup alarms and requiring all construction trucks to have rubber bed liners and secured tailgates. We will also ensure that neighbors aren't surprised by the night noise by delivering flyers to homes and businesses within 500 feet of both bridges, and by notifying community and neighborhood groups.

KNOW BEFORE YOU GO

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